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Turf grass coloration - using hexadentate cobalt phthalocyanine amine complex salts

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Abstract (Basic): In a process for colouring turfgrass, the turf is treated with a hexadentate cobalt phthalocyanine amine complex salt in which the complex consists of (a) a hexadentate cobalt phthalocyanine complex in which the 2 ligands not occupied by the ring system are coordinatively bound to an aliphatic polyamide and (b) an anion of an organic or inorganic acid. The complex is pref. sprayed onto the turf in the form of 1-5 wt. % solution in 1-22% aqueous acetic acid or in the form of an aqueous dispersion. A suitable complex salt is cobalt phthalocyanine ethylenediamine chloride. Application of the specified complexes imparts to turfgrass (e.g., on lawns, parks or sportsfields) a deep and brilliant green or blue colour with extremely high transparency. Adhesion of the complexes to grass is good without the need to incorporate sticking agents (e.g. resins) into formulations of the complexes.

Derwent Class: C01; E23; P13;

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